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(54) Title: COMPLEXED POLYPEPTIDE AND ADJUVANT FOR IMPROVED VACCINES

(57) Abstract: Attachment of the strongly immunogenic polypeptide to a more weakly immunogenic polypeptide can precipitate and focus a CpG adjuvant to increase *in vivo* priming of a cytotoxic T-lymphocyte (CTL) response, and thus increase the immunogenicity of the more weakly immunogenic polypeptide. Accordingly, compositions that include a bipartite immunogenic polypeptide are provided herein. The bipartite polypeptide can include a CpG-interacting amino acid sequence fused to a CTL-activating amino acid sequence that can be heterologous to the CpG-interacting amino acid sequence. Also provided are methods of identifying and using a CpG-interacting amino acid sequence and a bipartite immunogenic polypeptide.



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